

**ExxonMobil
Refining & Supply Company**

Global Remediation

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Jennifer C. Sedlachek
Project Manager

ExxonMobil
Refining & Supply

October 28, 2005

Ms. Jo Bentz
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403


RE: Former Exxon RAS #7-3035/4501 Sonoma Highway, Santa Rosa, California.

Dear Ms. Bentz:

Attached for your review and comment is a copy of the letter report entitled *Addendum to Work Plan for Additional Site Assessment*, dated October 28, 2005, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details proposed activities at the subject site.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

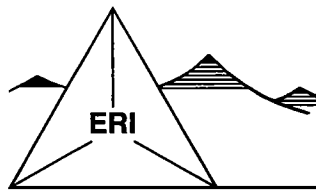


Jennifer C. Sedlachek
Project Manager

Attachment: ERI's Addendum to Work Plan for Additional Site Assessment, dated October 28, 2005.

cc: w/ attachment
Mr. Paul Lowenthal, City of Santa Rosa Fire Department
Mr. Joseph A. Aldridge, Valero Energy Corporation

w/o attachment
Ms. Paula Sime, Environmental Resolutions, Inc.



ENVIRONMENTAL RESOLUTIONS, INC.

October 28, 2005
ERI 200303.W04

Ms. Jennifer C. Sedlachek
ExxonMobil Refining & Supply - Global Remediation
4096 Piedmont Avenue
Oakland, California 94611

Subject: Addendum to Work Plan for Additional Site Assessment, Former Exxon Service
Station 7-3035, 4501 Sonoma Highway, Santa Rosa, California

**California Regional Water Quality Control Board, North Coast Region, Case No.
1TSR295.**

Ms. Sedlachek:

At the request of ExxonMobil Oil Corporation (ExxonMobil), and pursuant to conversations with the California Regional Water Quality Control Board, North Coast Region (Regional Board), Environmental Resolutions, Inc. (ERI) is submitting this addendum to the *Work Plan for Additional Site Assessment* dated May 18, 2005 (Work Plan). The Work Plan proposes installation of three on-site (MW12A, MW12B, and MW12C) and eleven off-site groundwater monitoring wells (MW9A, MW9B, MW9C, MW10A, MW10B, MW10C, MW11A, MW11B, MW11C, MW5B, and MW5C), and advancement of two off-site cone penetrometer test (CPT) borings and adjacent HydroPunch (HP) (or similar technology) borings (CPT6 and CPT7).

ERI proposes to advance an additional CPT/HP boring (CPT8) to approximately 80 feet below ground surface (fbgs) at the location shown on Plate 1. Results of previous depth-discrete groundwater sampling from the CPT investigations performed in August and September 2004 indicate that the highest dissolved hydrocarbon concentrations occur in off-site boring CPT4 at depths of 36 and 42 fbgs. The proposed additional boring is located to assess the vertical distribution of dissolved hydrocarbons on site downgradient of the underground storage tanks and upgradient of boring CPT4. ERI will collect soil and depth-discrete groundwater samples from the boring, and submit the samples for laboratory analysis as proposed in the Work Plan.

The proposed additional boring will also help determine the location of a test extraction well for a possible groundwater extraction and treatment (GET) system. The current remediation system at the site extracts soil vapor through the SVE casings and groundwater through the air sparge casings of wells AS/SVE1 through AS/SVE8. The system was shut down in late August 2005 due to failure of the rotary vane blowers and is not currently operating. Low influent concentrations prior to the system shut down indicate that the system has removed hydrocarbons from soil and groundwater in the shallow subsurface downgradient of the USTs. However, since the air sparge wells are screened in shallow groundwater (above 25 fbgs) and the previous CPT results indicate heavier impacts in the deeper intervals from 36 to 42 fbgs, these wells may not be capturing the most impacted groundwater beneath the site. Data from the additional boring will assist in the testing and design of a remediation system that more effectively addresses the current site conditions.

DOCUMENT DISTRIBUTION

ERI recommends forwarding copies of this report to:

Ms. Jo Bentz
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403

Mr. Paul Lowenthal
City of Santa Rosa Fire Department
955 Sonoma Avenue
Santa Rosa, California 95404

Mr. Joseph A. Aldridge
Valero Energy Corporation
685 West Third Street
Hanford, California 93230

LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental practice in California at the time this investigation was performed. This report has been prepared for ExxonMobil, and any reliance on this report by third parties shall be at such party's sole risk.

Please call Ms. Paula Sime, ERI's project manager for this site, at (707) 766-2000 with any questions regarding this addendum.

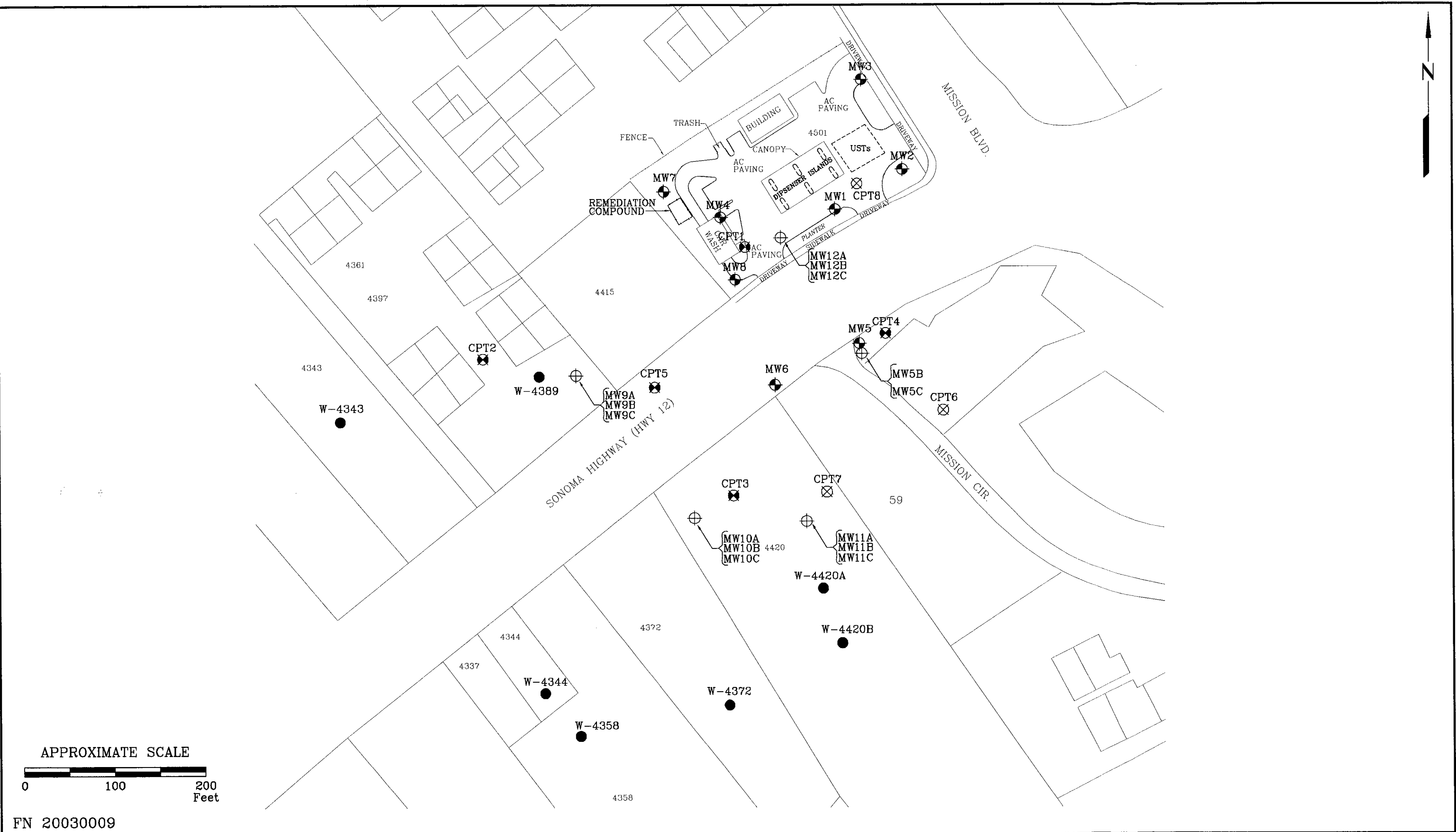
Sincerely,
Environmental Resolutions, Inc.

Paula Sime
Paula Sime
Project Manager

Geoffrey V. Waterhouse
Geoffrey V. Waterhouse
P.G. 5019
C.H.G. 334
C.E.G. 1561



Attachment: Plate 1: Proposed CPT and Monitoring Well Location Map



**PROPOSED CPT AND MONITORING
WELL LOCATION MAP**
FORMER
EXXON SERVICE STATION 7-3035
4501 Sonoma Highway
Santa Rosa, California

EXPLANATION

- MW8
⊕ Groundwater Monitoring Well
- CPT5
⊗ CPT Boring
- W-4389
● Domestic Water Wells

- MW12A,B,C
⊕ Proposed Groundwater Monitoring Wells,
MW12A, MW12B, MW12C
- CPT8
⊗ Proposed CPT Boring

PROJECT NO.
2003

PLATE
1